



## Agriculture

A member of the Kansas board of agriculture announces that a bill will be introduced at the next session of the Kansas legislature prohibiting the operation of boards of trade in that state.

The number of automobiles in the United States is said to be five times as great as at the beginning of the World War.

The Bureau of Internal Revenue calls attention to this section of the national prohibition act, which reads as follows: It shall be unlawful to advertise, manufacture, sell or possess for sale any utensil, contrivance, machine, preparation, compound, substance, designed or intended for use in the unlawful manufacture of intoxicating liquors.

The Hangyang Iron Works, of Hankow, China, a Japanese plant, is shipping steel plates into San Francisco at a price of \$4.96 a ton cheaper than Pittsburgh steel.

A company known as Coast Range Steel Limited has just been incorporated with the object of installing blast furnaces and the creation of an iron and steel plant in British Columbia. The company is incorporated for \$15,000,000 and plans for the ultimate expenditure of \$50,000,000 in the establishment of one of the greatest steel and iron industries in Western America. Active construction will start within six months.

A German concern is now manufacturing a one-passenger, electric chain-gear runabout which weighs 440 pounds. The car will run 35 miles over city streets on one charging of the batteries.

India, after centuries of plowing with a crooked stick, is learning to use American plows and tractors. As a result the Maharajah of Bikanir has offered a thousand acres of land and the salary of a trained teacher to the Methodist mission board if it will send some one to take charge of the agricultural development of his state.

An anti-dumping bill to be introduced in the House of Commons will seek to prohibit the sale of goods in England at a lower price than that of the country in which they have their origin.

The Federal Trade Commission reports that 10 wheat mills hold a monopoly of the wheat flour milling industry in the United States. These mills manufacture more than half the flour used in this country.

A new steamship line has been established between Rotterdam and the west coast of South America by the Pacific Steam Navigation Company. It is reported that the line will serve the Rhine Valley, Basel and Zurich.

The coal mine purchased by the state of South Dakota is now shipping 200 tons of coal a day. Production will be tripled when new track facilities are completed.

A new counterfeit \$10 note is being circulated. The bill is about half an inch shorter than genuine currency and instead of being black the face is brown. The number is given as J7509902A.

Reports have been received from Czechoslovakia to the effect that a chemical works has succeeded in making a substitute for cork from turf. The substance is said to be equal to cork in every way and much lower in cost.

The government is making efforts to restore the Morgan strain of horses which has become almost extinct.

The United States is far in the lead of other countries in commerce with Chile. The annual report of the superintendent of customs of Santiago shows that we supplied nearly half of Chile's total imports of \$146,483,331.

The United States exported 1,150 locomotives during the first eight months of this year, more than twice the number exported annually before the war. Belgium, Italy, Poland, France and Danzig were the largest purchasers.

## The Three Arts

### Manufacture

The American people make greater use of their railroad transportation facilities than any other country. Each year our railroads perform a freight service equal to the transportation of 4,000 tons one mile for every man, woman and child in the United States. A comparison with other countries before the war would show 631 tons in Germany, 430 tons in France, 349 tons in Austria-Hungary and 311 tons in Great Britain. The railroads of the United States perform a freight service per capita more than ten times the average of the European railroads.

During September the daily output of gasoline in the United States was 15,000,000 gallons, according to the Bureau of Mines.

A Berlin newspaper announces that preparations have been made by the German aniline syndicate to erect nitrogen plants in the United States and Japan, and directors of the syndicate have begun negotiations with the two governments.

A "farthest north" wheat designated as "No. 10," which has been grown successfully at the 66th parallel, is announced by the husbandry department of the Manitoba, Canada, agricultural college. It is said to be a cross of the hardiest known Manitoba and Australia wheats.

The Department of States has informed Great Britain it will demand that the United States as well as small nations be given the right to promote industrial development in all lands taken from Germany and its allies after the war. Oil in Mesopotamia is the chief point of the demand.

There were 240 industrial strikes in New York City during the fiscal year ending June 30. The time lost amounted to more than ten million working days.

Co-operative marketing has been tried with successful results by cattle and hog growers of Craighead County, Arkansas. Cattle once sold at from \$3 to \$6 and hogs at from \$2 to \$7 below the St. Louis market in this section. As a result of the activity of the county farm agent, the



### Transportation

The Department of Agriculture has two bulletins, No. 946 and 947, dealing with the care of farm implements. They will be sent free upon request.

The Department of Commerce has emphatically denied rumors that it has advocated the resumption of trade with Soviet Russia.

Chicago bankers have arranged to finance the western live stock to the extent of \$20,000,000. Minneapolis, St. Paul, Kansas City and Omaha banks will co-operate. The scheme will hold no profit for the banks beyond eight per cent interest on the money loaned. A corporation will be formed under the laws of Virginia.

The Holstein-Friesian Association of America recently asked breeders to donate 1,000 registered bulls to be placed in the hands of the French Government in re-establishing the dairy business of the devastated sections of Northern France. Seven hundred head have already been offered.

Farm women will be interested in Farmers' bulletin 607, "The Farm Kitchen as a Workshop." The bulletin deals with the advantages of a convenient and well-equipped kitchen.

The government is experimenting in a "more daylight movement" for hens. A common alarm clock switches on an electric light in the hen house before daybreak. The result is a 12-hour day and an increased number of eggs.

Saskatchewan has organized a bureau of industries to develop known resources within the borders of the province.

The Bureau of Mines states that 600,000,000 gallons of gasoline, amounting in value to \$150,000,000, are lost annually through evaporation and that half of this is preventable. The bureau will issue instructions showing how the loss may be avoided.

The national railways of Mexico are said to be negotiating with American equipment companies for 300 engines and 3,000 freight cars.

The Silk Manufacturers' Union of Japan has suspended production for three months.

Eight hundred million spools are manufactured in Maine mills every year. Skilled workers and complicated machines turn the product out at the rate of a spool a second. The value of the product amounts to \$1,000,000 annually.

Forty million dollars has been paid to the Shipping Board by the War Department on claims totaling \$200,000,000. Another item totaling \$85,000,000 is under discussion.

Reports have been received from Tokio by the Department of Commerce to the effect that the Japanese dyestuff industry can in no wise compete with American or German products. This is a disappointment to Japan which had levied a 35 per cent import duty to protect home interests. Lack of technical skill is largely responsible for the failure.

Official reports received by the Bureau of Foreign and Domestic Commerce indicate that a number of British firms are canceling shipbuilding orders and that this has had a very disquieting effect on the industry. Constantly rising costs of manufacture are said to be responsible for the withdrawal of orders.

China will send representatives of her silk industry to the International Silk Exposition to be held in New York in February.

The Department of Agriculture believes it has solved the problem of extracting phosphoric acid from phosphate rock by heating mixtures of this rock, sand and coke to a smelting temperature. The discovery may revolutionize the fertilizer industry of the world.

### Weather Reports by Wireless



Farmers will not have to depend upon the appearance of the sky or wait for the daily paper hereafter to know what kind of weather they are going to have. The Kansas State Agricultural College has established a wireless weather report service and all the farmer needs to do is to install a simple receiving set and learn how to tune in every morning at 9:55. The photograph shows a corner of the college station.

growers began to deal directly with St. Louis in carload lots and their profits went up immediately.

The theory that charring the butts of fence posts and telegraph poles retards decay has been disproved. Experiments show that the charred posts are less durable than untreated ones.

It is reported that Mexico is making extensive plans for the development of her agricultural resources through the education of her present farmers to modern methods and machinery. One of the latest developments of the campaign has been the sending from place to place of a special train, loaded with an exhibit of farm machinery.

The Bureau of Crop Estimates will issue its next crop estimate December 17 at 4 p. m.